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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/627,995	07/28/2003	Tatsuo Kancko	26L-001	4262
23400	7590 04/03/2006		EXAMINER	
POSZ LAW GROUP, PLC			WU, SHEAN CHIU	
12040 SOUTH LAKES DRIVE SUITE 101		ART UNIT	PAPER NUMBER	
RESTON, V.	A 20191		1756	
			DATE MAIL ED: 04/02/2004	ć

Please find below and/or attached an Office communication concerning this application or proceeding.

Con

	Application No.	Applicant(s)				
	10/627,995	KANEKO ET AL.				
Office Action Summary	Examiner	Art Unit				
	Shean C. Wu	1756				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
<ol> <li>Responsive to communication(s) filed on <u>26 January 2006</u>.</li> <li>This action is FINAL.</li> <li>Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213.</li> </ol>						
Disposition of Claims						
4) ☐ Claim(s) 1-6,8 and 11-17 is/are pending in the aday of the above claim(s) is/are withdraw 5) ☐ Claim(s) 6 and 11-17 is/are allowed.  6) ☐ Claim(s) 1-5 and 8 is/are rejected.  7) ☐ Claim(s) is/are objected to.  8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on 28 July 2003 is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>						
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa					

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#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 112

1. Claims 1-4 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In Claims 1 and 4, the "derived polymer" is vague because it is not defined.

Claims 2 and 3 are rejected because they are dependent claims.

### Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
  - (f) he did not himself invent the subject matter sought to be patented.
- 3. Claims 1-3 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by WO 97/48,782.

The reference discloses a polymeric material comprising repeating units of aromatic mesogenic moiety. See the formula I on page 2 and the formula II on page 3.

The copolymer of formula III has two repeating units with aromatic ring in a main chain.

The reference polymeric material is degradable to fragments of low molecular weight,

which may itself facilitate bio-resorbability. Also, see the reference claims. The reference (inherently) anticipates the claimed invention.

4. Claim 1-4 and 8 are rejected under 35 U.S.C. 102(a)/(f) as being anticipated by Kaneko et al. (Macromolecular Rapid Communications, 2004, Vol. 25, pages 673-677).

The reference discloses a compound 4-hydroycinnamic acid is polymerized by melt polycondensation to yield a liquid crystalline biopolymer with UV. See the abstract and Figures 1 and 2. The reference (inherently) anticipates the claimed invention.

## Response to Arguments

5. Applicant's arguments filed 1/26/06, with respect to the rejection in the previous Office Action has been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, new grounds of rejection are made in the sections 1 and 3 abovementioned.

#### Allowable Subject Matter

- 6. Claims 6 and 11-17 are allowed.
- 7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. JP 58-83080 differs from the present invention in that the present invention comprises an aromatic ring in a main chain. See the first and second formulae in JP '080, which hydroxycinnamic acid derivatives comprise cyclohexenylene ring.

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8. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Shean C. Wu whose telephone number is 571-272-1393. The

examiner can normally be reached on 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mark Huff can be reached on 571-272-1385. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shean C Wu

**Primary Examiner** 

Art Unit 1756

scw